

Patent Claims

1. Deformable illumination module with a plurality of circuit boards that have at least one optical emitter arranged thereon and that are connected into a chain by way of two electrical power supply wires wherein the electrical power supply wires run without interruption across all circuit boards of the chain thereby creating a parallel connection of the circuit boards of the chain.
2. Illumination module as claimed in claim 1 wherein at least one further electronic component is arranged on a circuit board, in addition to the at least one optical emitter, and electrically connected to the optical emitter.
3. Illumination module as claimed in claim 1 or claim 2 wherein the electrical power supply wires are connected to form a bundle between two circuit boards, respectively, in order to reinforce the connection between two circuit boards.
4. Illumination module as claimed in at least one of the claims 1 to 3 wherein the circuit boards are grouped into a plurality of circuit board pairs and wherein the optical emitters, respectively, of a circuit board pair are connected by way of a connecting wire between the two circuit boards.
5. Illumination module as claimed in at least one of the claims 1 to 4 wherein the optical emitters are light-emitting diode component parts.

6. Illumination module as claimed in at least one of the claims 1 to 5 wherein the power supply wires between two respective circuit boards run in a meandering fashion.
7. Illumination module as claimed in at least one of the claims 1 to 6 wherein the circuit boards are tapered in the direction of their ends that are pointed toward each other and wherein the power supply wires run together, starting from the widened middle part, along the edges of the circuit boards.
8. Illumination module as claimed in claims 7 wherein the circuit boards are configured as rhomboid in shape or as a flat-pressed hexagon or octagon having their long axes arranged along the main direction of extension of the chain.
9. Illumination module as claimed in at least one of the claims 1 to 8 wherein both the bending radius between two circuit boards as well as the distance between the two circuit boards can be varied.